

M. grisea	MSARGFSKALRPMARQLATPAVQRRSFVAASSMVRATR--KAAVAPQQQ
N. crassa	MAARNCTKALRPLARQLATPAVQRRTFVAAASAVRASVAKAVAAPARQQ
S. cerevisiae	--MLRTQAARLICNSRVITAK--RTFALATRAAAYSRP-AARFVKPMIT*
M. grisea	IRGVKTMDPAGHKEQVWERADWPKEKLLEYFKDDTLALIGYGSQGHGQGL
N. crassa	VRGVKTMDPAGHKEEVHERADWPAEKLLDYFKNDTLALIGYGSQGHGQGL
S. cerevisiae	TRGLKQINFGGTVETVYERADWPREKLLDYFKNDTFALIGYGSQGYGQGL ***.***.***.***.*****.*****.***.***.*****.*****.*****
M. grisea	NLRDNGLNVIIGVRKDGSWKDAVQDGWPGKNLFEVDEAISRGTVIMNL
N. crassa	NLRDNGLNIVGVRKNGKSWEDAIQDGWPGKNLFDVDEAISRGTVIMNL
S. cerevisiae	NLRDNGLNVIIGVRKDGSWKAIAEDGWPGKNLFTVEDAIKRGSYVMNL *****.*****.*****.*****.*****.*****.*****.*****.*****.*****
M. grisea	LSDAAQSETWPALKPQITKGKTLFSGFSPVFKDLTKVEVPTDVILC
N. crassa	LSDAAQSETWPHIKPQITKGKTLFSGFSPVFKDLTKVEVPTDVILV
S. cerevisiae	LSDAAQSETWPAIKPLLTGKTLFSGFSPVFKDLTHVEPPKLDLVILV *****.*****.*****.*****.*****.*****.*****.*****.*****.*****
M. grisea	APKGSGRTVRSLFREGRGINSSFAVYQDVTGEAEKAIALGVAIGSGYLY
N. crassa	APKGSGRTVRSLFREGRGINSSFAVYQDVTGKAKEKAVALGVAVGSGYLY
S. cerevisiae	APKGSGRTVRSLFKEGRGINSSYAVWNDVTGKAHEKAQALAVAIGSGYVY *****.*****.*****.*****.*****.*****.*****.*****.*****.*****
M. grisea	KTTFEKEVYSDLYGERGCLMGGIHGMFLAQYEVLRERGHSPSEAFNETVE
N. crassa	ETTFKEEVYSDLYGERGCLMGGIHGMFLAQYEVLRERGHSPSEAFNETVE
S. cerevisiae	QTTFEREVNSSDLYGERGCLMGGIHGMFLAQYDVLRENGHSPSEAFNETVE *****.*****.*****.*****.*****.*****.*****.*****.*****
M. grisea	EATQSLYPLIGANGMDWMYEACSTTARRGAIDWSPRFKDALKPVFNQLYD
N. crassa	EATQSLYPLIGAHGMDWMFDACSTTARRGAIDWTPFKDALKPVFNLYD
S. cerevisiae	EATQSLYPLIGKYGMDMYDACSTTARRGALDWPIFKNALPKPVFQDLYE *****.*****.*****.*****.*****.*****.*****.*****.*****.*****
M. grisea	SVKDGSSETQRSLDYNQPDYREKYEAEEMEEIRNLEIWRAGKAVRSLRPN
N. crassa	SVKNGDERKRSLEYNSQPDYRERYEAELDEIRNLEIWRAGK--RSLRPN
S. cerevisiae	STKNGTETKRSLEFNSQPDYREKLEKELDTIRNMEIWKVGKEVRLRPN *****.*****.*****.*****.*****.*****.*****.*****.*****.*****
M. grisea	QKQK
N. crassa	QK--
S. cerevisiae	Q--- *

Fig. 1

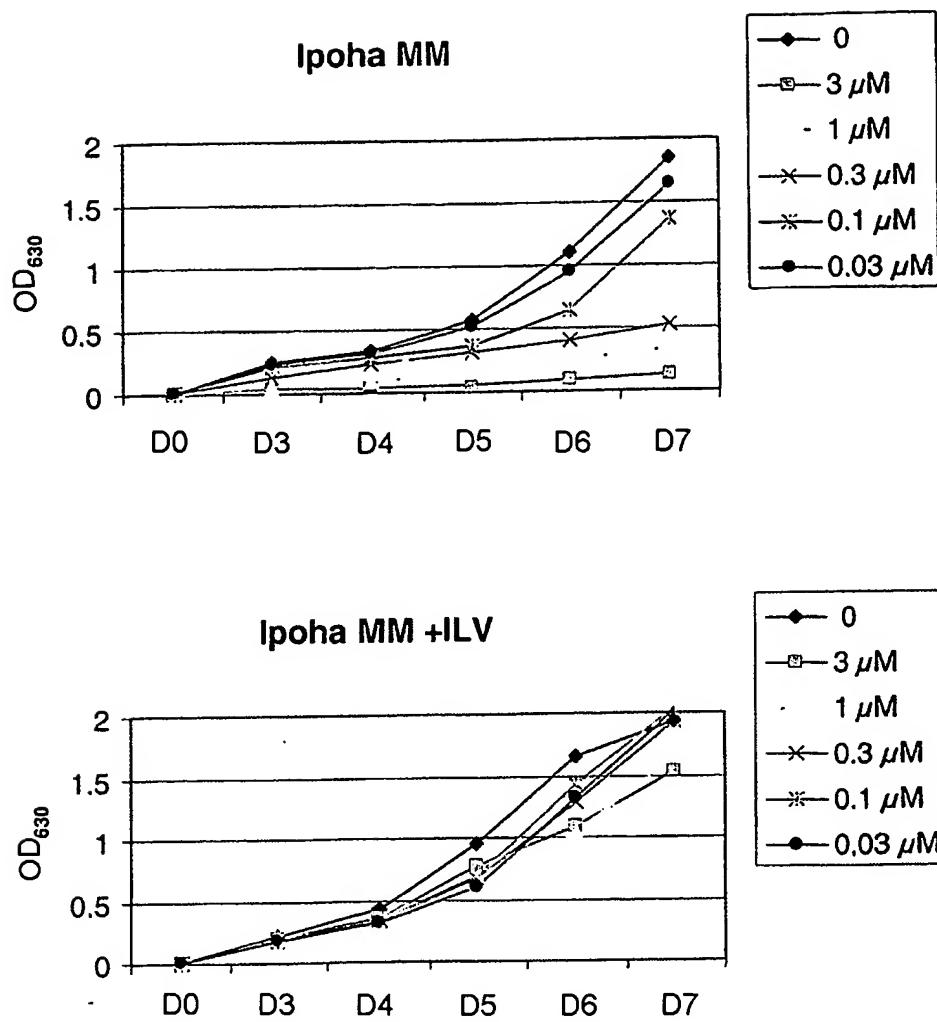


Fig. 2

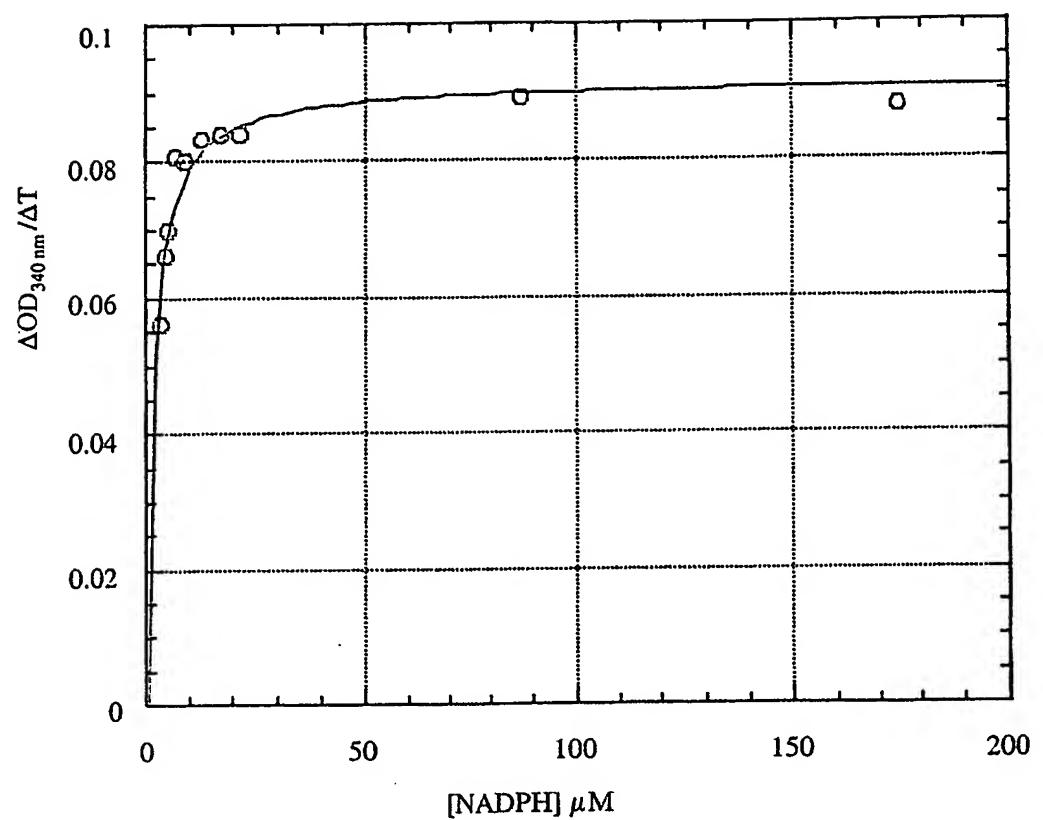
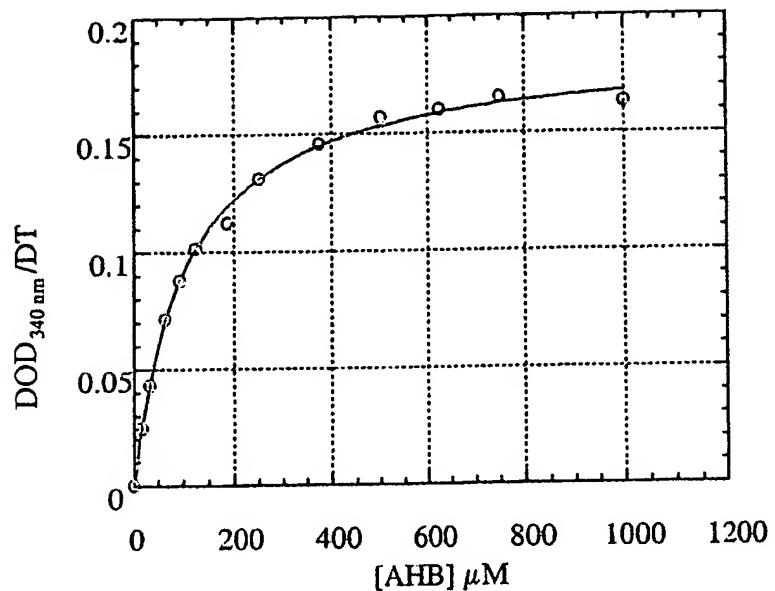
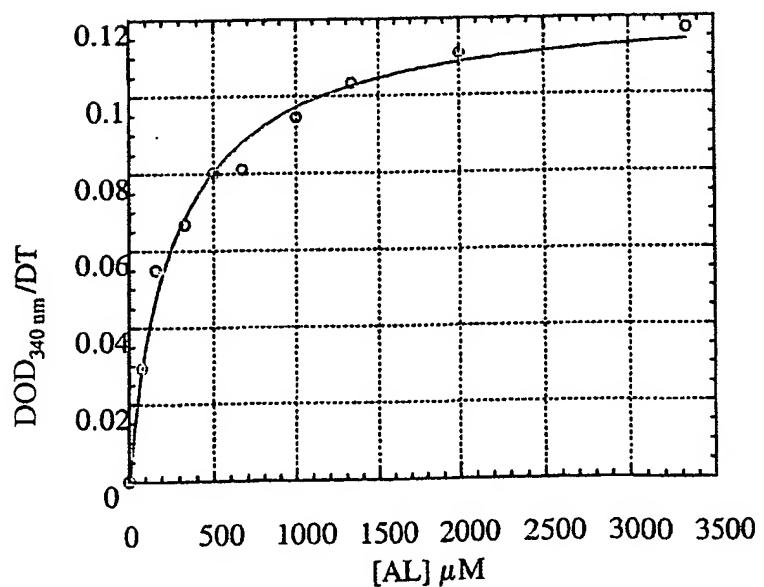


Fig. 3

NY02:478087.1

A**B****Fig.4**

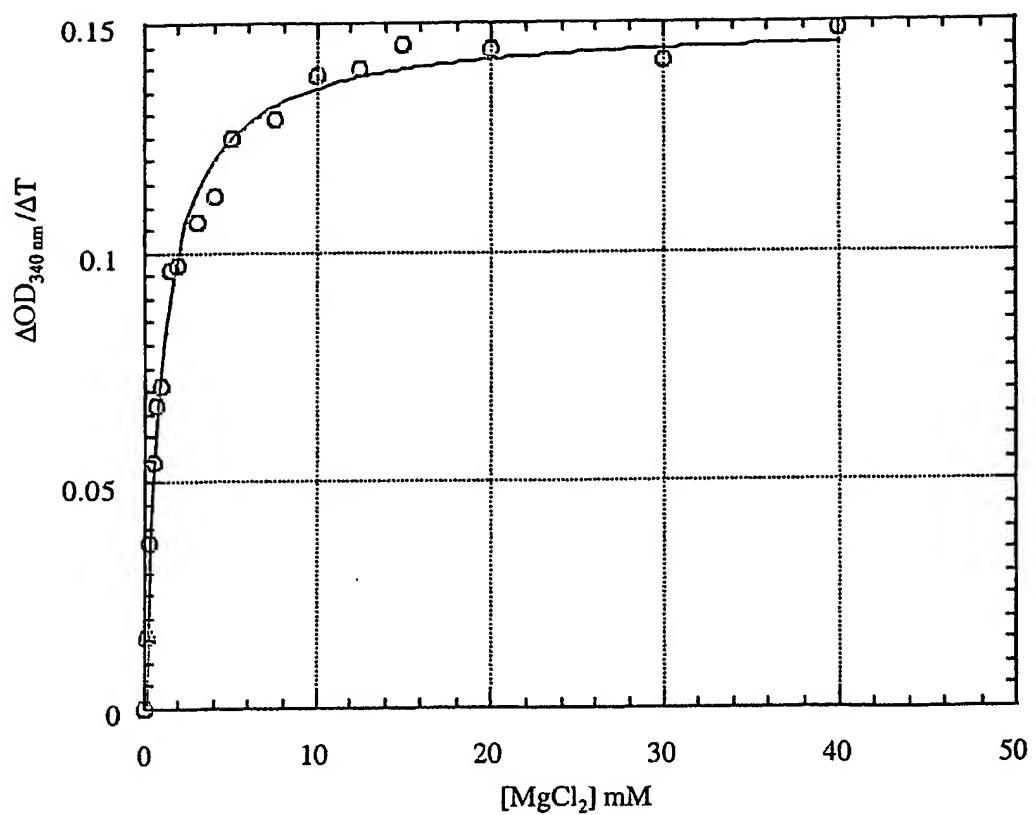
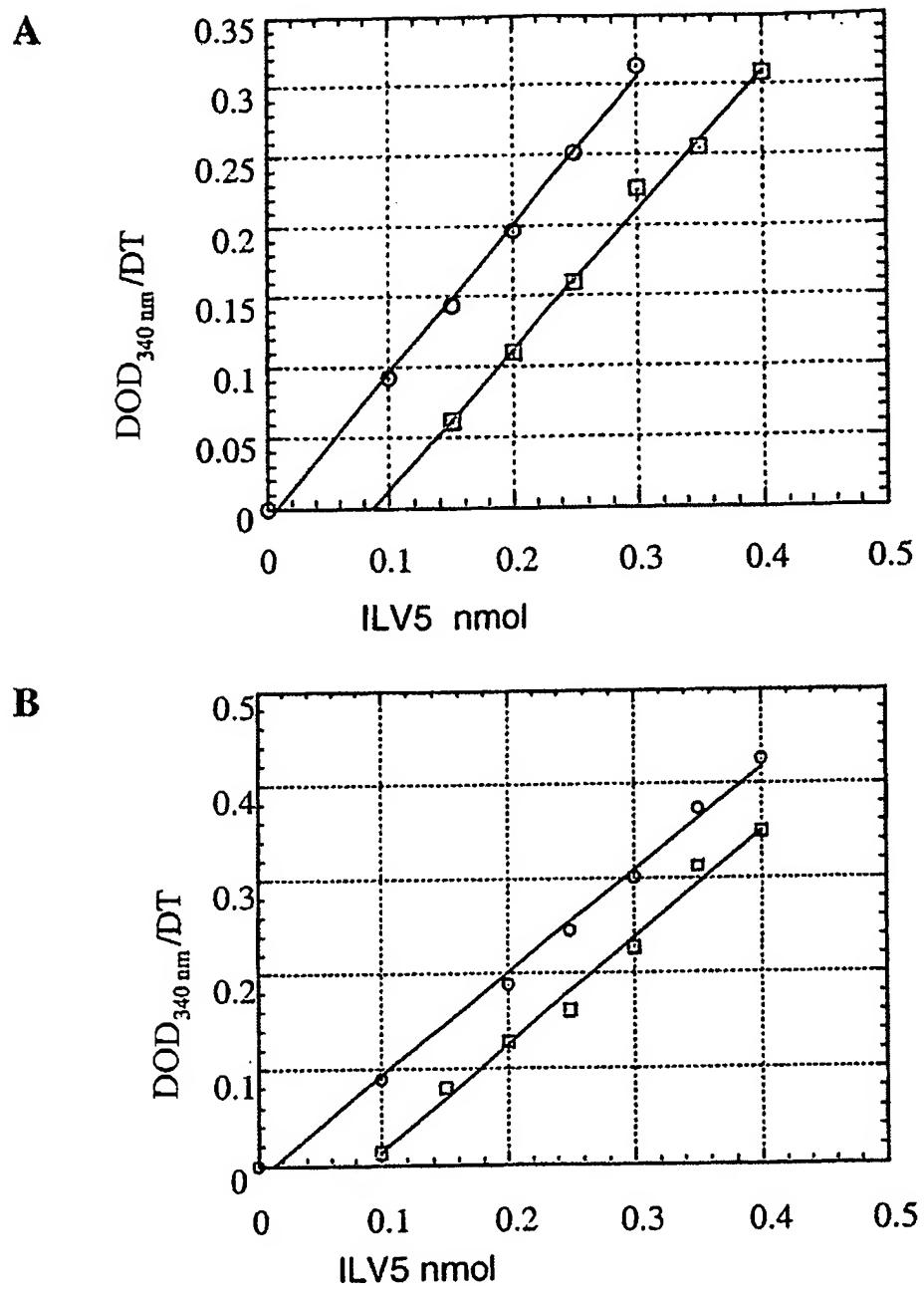


Fig.5



○ control

Fig. 6

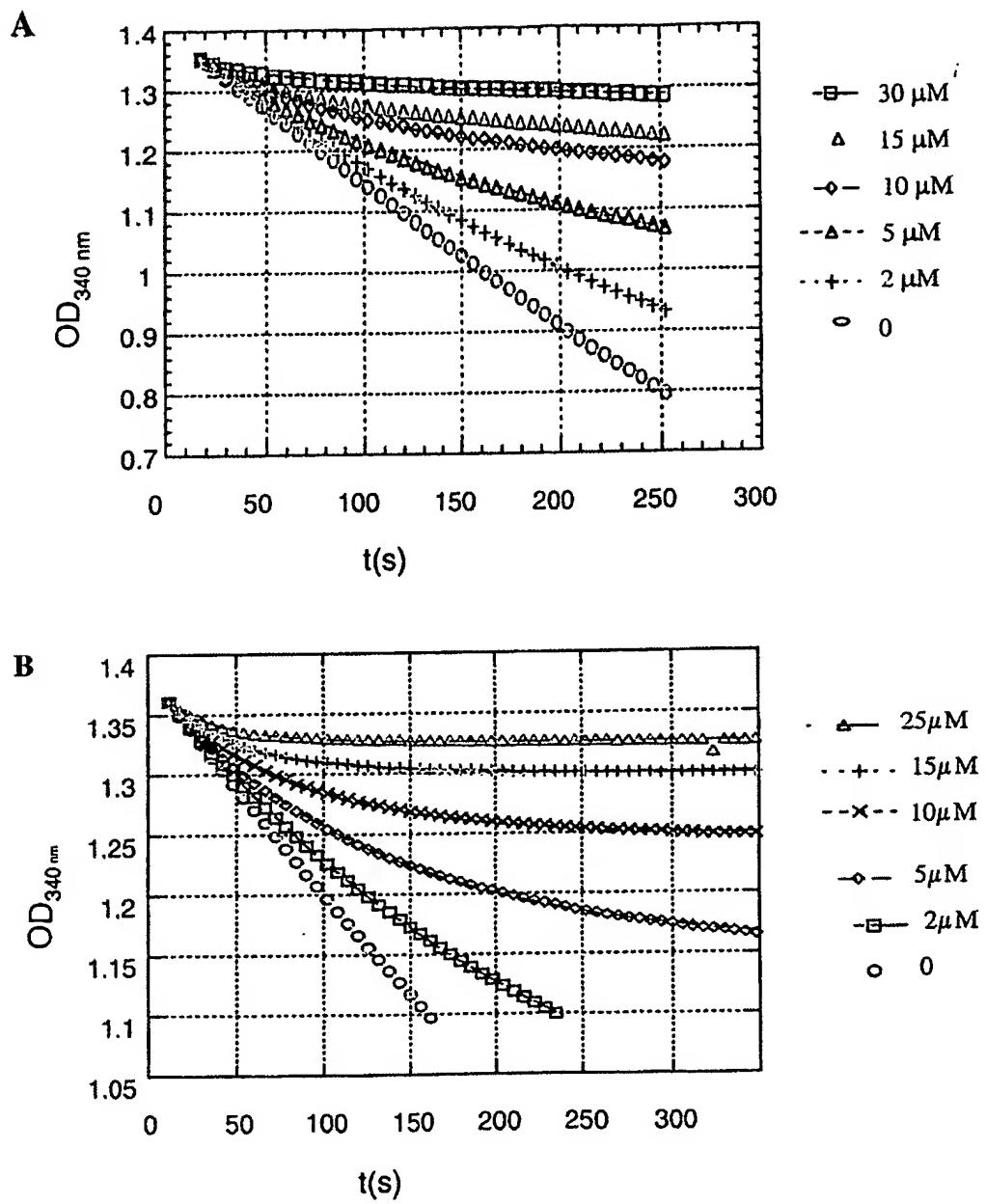


Fig.7

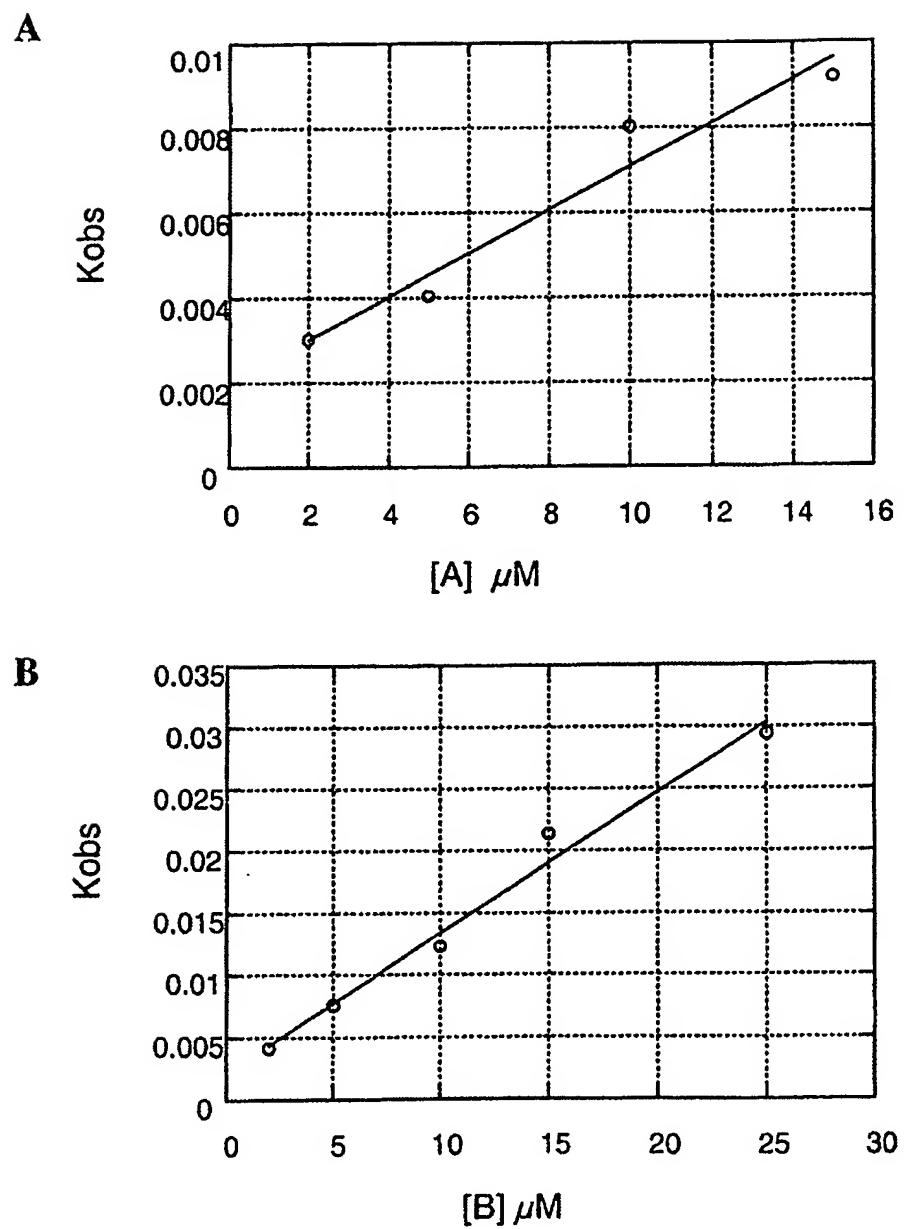


Fig. 8

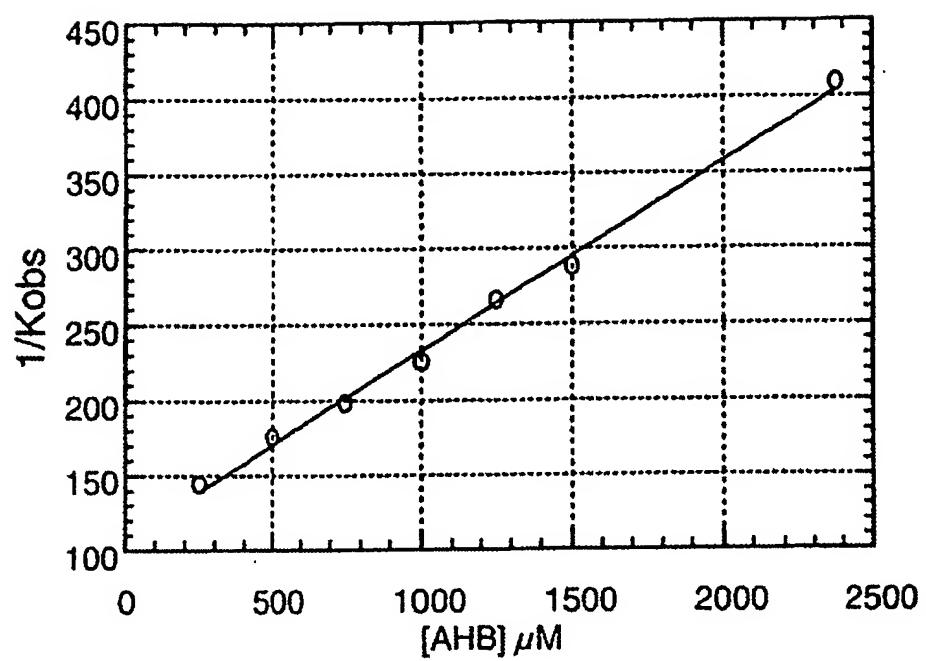
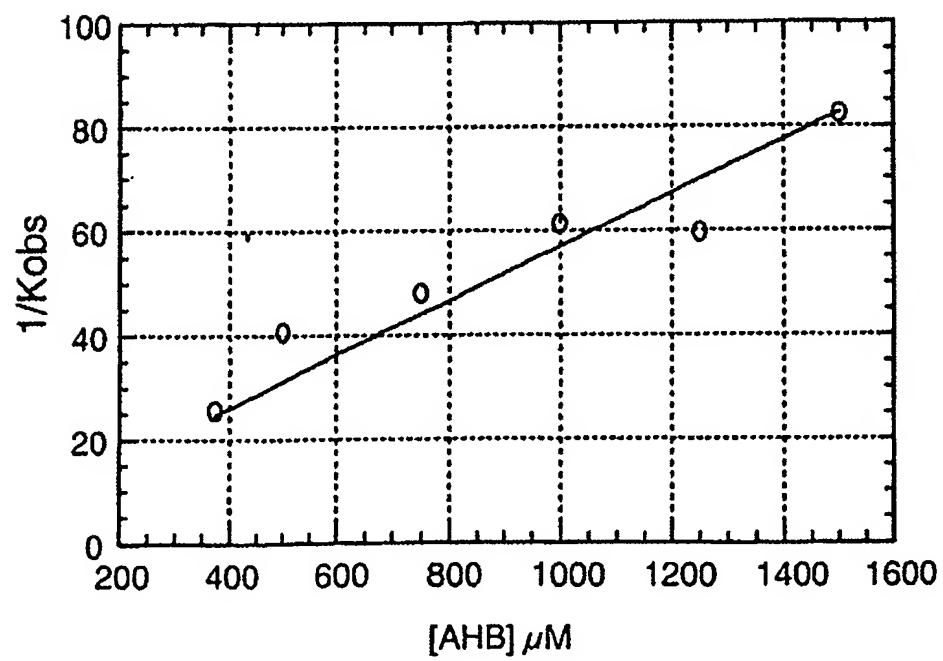
A**B**

Fig. 9